

XP-002245383

AN - 1998-330867 [29]

AP - RU19950112978 19950725

CPY - KATA-R

DC - A17 A97 E19 E36 J04

DR - 1674-U 1785-U 1953-U

FS - CPI

IC - B01J23/50 ; B01J23/78

IN - KOCHETKOV A YU; KOCHETKOVA R P; PANFILOVA I V

MC - A04-G02E A12-W11K E11-Q02 E31-F01 E31-K07 E31-P03 E33-A04 E34 E35  
J04-E04 N01 N02-A01 N03-B01 N03-E N04-B

M3 - [01] A111 A119 A212 A220 A256 A313 A422 A425 A426 A940 B115 B831 C108  
C550 C730 M411 M730 M903 Q421

- [02] C101 C116 C540 C730 C800 C801 C802 C804 C805 C806 M411 M750 M903  
M904 M910 N163 N441 Q431 Q436 Q437 Q439; R01785-X; 1785-U

- [03] C108 C216 C540 C730 C800 C801 C802 C803 C804 C805 M411 M750 M903  
M904 M910 N163 N441 Q431 Q436 Q437 Q439; R01674-X; 1674-U

- [04] C108 C216 C316 C540 C730 C800 C801 C802 C803 C804 C805 M411 M750  
M903 M904 M910 N163 N441 Q431 Q436 Q437 Q439; R01953-X; 1953-U

PA - (KATA-R) KATALIZ RES PRODN ENTERP

PN - RU2097128 C1 19971127 DW199829 B01J23/78 005pp

PR - RU19950112978 19950725

XA - C1998-102363

XIC - B01J-023/50 ; B01J-023/78 ; (B01J-023/78 B01J-105/94)

AB - RU2097128 This heterogenous catalyst compsn., which may be used for  
the liq. phase oxidn. of sulphur (S) cpds. such as sulphur dioxide  
(SO<sub>2</sub>), hydrogen sulphide (H<sub>2</sub>S) and mercaptans in the treatment of  
gaseous emissions and effluents, consists of an active constituent on  
a carrier in the form of high pressure polyethylene (HPPE). The  
novelty of the active constituent is that it may be a pyrolusite ore  
that may contain (wt.%) manganese (IV) oxide 54.76-69.10, manganese  
(II) oxide 1.80-4.85, iron (III) oxide 5.00-11.23, silicon oxide  
(SiO<sub>2</sub>) 4.05-7.52, barium oxide (BaO) 3.95-5.02, aluminium oxide  
(Al<sub>2</sub>O<sub>3</sub>) 0.92-5.03, titanium oxide (TiO<sub>2</sub>) 0.01-0.03, calcium oxide  
(CaO) 0.50-0.82, magnesium oxide (MgO) 0.40-0.70, potassium oxide  
(K<sub>2</sub>O) 2.87-3.10, sodium oxide (Na<sub>2</sub>O) 0.37-0.58, phosphorus oxide (V)  
1.10-1.35 and impurities as the loss on ignition the remainder, as  
well as copper (II) oxide and pyritic scoria, such that the catalyst  
may contain (wt. %) the pyritic scoria 8-10, the said copper (II)  
oxide 5-10, the pyrolusite ore 20-25 and the HPPE the remainder.

- ADVANTAGE - The total activity of the said heterogeneous catalyst  
compsn. is increased.

- (Dwg.0/0)

C - B01J23/78 B01J105/94

CN - R01785-X R01674-X R01953-X

DRL - 1785-U 1674-U 1953-U

IW - HETEROGENEOUS CATALYST COMPOSITION OXIDATION SULPHUR COMPOUND CONSIST  
ACTIVE CONSTITUENT HIGH PRESSURE POLYETHYLENE CARRY INCREASE TOTAL  
ACTIVE

IKW - HETEROGENEOUS CATALYST COMPOSITION OXIDATION SULPHUR COMPOUND CONSIST  
ACTIVE CONSTITUENT HIGH PRESSURE POLYETHYLENE CARRY INCREASE TOTAL  
ACTIVE

INW - KOCHETKOV A YU; KOCHETKOVA R P; PANFILOVA I V

NC - 001

OPD - 1995-07-25

ORD - 1997-11-27

PAW - (KATA-R) KATALIZ RES PRODN ENTERP

TI - Heterogeneous catalyst compsn. used to oxidise sulphur compounds -  
consists of active constituent on high pressure polyethylene carrier  
and has increased total activity

A01 - [001] 018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;  
H0000 ; P1172 P1161 ; P1150 ;

- [002] 018 ; ND01 ; Q9999 Q6917 ; Q9999 Q8753 ;